

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **03-061039**

(43)Date of publication of application : **15.03.1991**

---

(51)Int.CI. **B32B 27/08**

**D21H 27/00**

---

(21)Application number : **01-194376**

(71)Applicant : **JUJO PAPER CO LTD  
MITSUI PETROCHEM IND  
LTD**

(22)Date of filing : **28.07.1989**

(72)Inventor : **KAWAGUCHI KOJI  
SASAKI TOSHIO  
TAKANO MICHIO**

---

## **(54) LAMINATED SHEET AND PREPARATION THEREOF**

### **(57)Abstract:**

**PURPOSE:** To obtain a laminated sheet excellent in writing properties, printability, low charge properties and water resistance by providing a synthetic resin layer containing 20-80wt.% of an inorg. filler to the outermost layer on the surface of a synthetic resin film being a base material layer.

**CONSTITUTION:** As an olefinic thermoplastic resin forming a resin layer, an ethylenic resin, a propylene resin and a polyester resin are used and the mean particle size of an inorg. filler to be used is about 0.01-10 $\mu$ m and, as the inorg. filler, for example, 20-80wt.% of titanium dioxide, talc or clay is contained in the resin layer of the outermost layer. A polyolefin resin layer containing no inorg. filler is subjected to extrusion molding by a T-die film forming machine to be applied to one surface of a synthetic resin film base material layer and a polyolefin resin layer containing the inorg. filler is further applied to the upper surface thereof while separately subjected to extrusion molding by the T-die film forming machine to laminate and bond all of them.

---

### **LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2000 Japan Patent Office

Keine weiteren Information vom JPO